

2/13



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#8

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,653A

DATE: 02/08/2002

TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

p.5

3 <110> APPLICANT: Rastelli, Luca  
 4 Pennica, Diane  
 6 <120> TITLE OF INVENTION: NOVEL HUMAN STRA6-LIKE PROTEIN AND NUCLEIC ACIDS ENCODING  
 THE SAME

8 <130> FILE REFERENCE: 10716/57  
 10 <140> CURRENT APPLICATION NUMBER: 09/816,653A  
 11 <141> CURRENT FILING DATE: 2001-03-23  
 13 <150> PRIOR APPLICATION NUMBER: 60/191,532  
 14 <151> PRIOR FILING DATE: 2000-03-23  
 16 <160> NUMBER OF SEQ ID NOS: 7  
 18 <170> SOFTWARE: PatentIn version 3.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 598  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Homo sapiens hSTRA6 nucleotide fragment, 5' region  
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 28 <223> OTHER INFORMATION: n is a, t, c or g  
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 34 <223> OTHER INFORMATION: n is a, t, c or g  
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ENTERED

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 40 agctggtaca tcatgagacc ccaggggggg gnnagagctcc agccagaggg ggaagtgtcc 120  
 42 tcttgccaca ccagcatacc acccgccctg taccacgcct gcctggcctc gctgtcaatc 180  
 44 cttgtgctgc tgctcctggc catgctggtg aggcgcgcgc agctctggcc tgactgtgtg 240  
 46 cgtggcaggg ccggcctgcc cagccctgtg gatttcttgg ctggggacag gccccgggca 300  
 48 gtgcctgctg ctgttttcat ggtcctcttg agtccctgt gtttctgct ccccgacgag 360  
 50 gacgcattgc cttcctgac tctcgctca gcacccagcc aagatgggaa aactgaggct 420  
 52 ccaagagggg cctggaagat actgggactg ttccattatg ctgccctcta ctacctctg 480  
 54 gctgcctgtg ccacggctgg ccacacagct gcacacctgc tcggcagcac gctgtcctgg 540  
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 60 <211> LENGTH: 199  
 61 <212> TYPE: PRT  
 62 <213> ORGANISM: Homo sapiens hSTRA6 amino terminal polypeptide fragment  
 64 <220> FEATURE:  
 65 <221> NAME/KEY: MISC\_FEATURE  
 66 <222> LOCATION: (31)..(31)  
 67 <223> OTHER INFORMATION: Xaa is any amino acid  
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 72 Met Ser Gln Pro Ala Gly Asn Gln Thr Ser Pro Gly Ala Thr Glu Asp

~~RAW SEQUENCE LISTING~~

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TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

OK> 73 1 5 10 15  
76 Tyr Ser Tyr Gly Ser Trp Tyr Ile Asp Glu Pro Gln Gly Gly Xaa Glu  
77 20 25 30  
80 Leu Gln Pro Glu Gly Glu Val Pro Ser Cys His Thr Ser Ile Pro Pro  
81 35 40 45  
84 Gly Leu Tyr His Ala Cys Leu Ala Ser Leu Ser Ile Leu Val Leu Leu  
85 50 55 60  
88 Leu Leu Ala Met Leu Val Arg Arg Arg Gln Leu Trp Pro Asp Cys Val  
89 65 70 75 80  
92 Arg Gly Arg Pro Gly Leu Pro Ser Pro Val Asp Phe Leu Ala Gly Asp  
93 85 90 95  
96 Arg Pro Arg Ala Val Pro Ala Ala Val Phe Met Val Leu Leu Ser Ser  
97 100 105 110  
100 Leu Cys Leu Leu Leu Pro Asp Glu Asp Ala Leu Pro Phe Leu Thr Leu  
101 115 120 125  
104 Ala Ser Ala Pro Ser Gln Asp Gly Lys Thr Glu Ala Pro Arg Gly Ala  
105 130 135 140  
108 Trp Lys Ile Leu Gly Leu Phe His Tyr Ala Ala Leu Tyr Tyr Pro Leu  
109 145 150 155 160  
112 Ala Ala Cys Ala Thr Ala Gly His Thr Ala Ala His Leu Leu Gly Ser  
113 165 170 175  
116 Thr Leu Ser Trp Ala His Leu Gly Val Gln Val Trp Gln Arg Ala Glu  
117 180 185 190  
120 Cys Pro Gln Val Pro Lys Ile  
121 195  
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126 <212> TYPE: DNA  
127 <213> ORGANISM: Homo sapiens hSTRA6 nucleotide fragment, 3' region  
129 <220> FEATURE:  
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132 <223> OTHER INFORMATION: n is a, t, c or g  
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138 <223> OTHER INFORMATION: n is a, t, c or g  
141 <220> FEATURE:  
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144 <223> OTHER INFORMATION: n is a, t, c or g  
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150 <223> OTHER INFORMATION: n is a, t, c or g  
153 <220> FEATURE:  
154 <221> NAME/KEY: misc\_feature  
155 <222> LOCATION: (441)..(441)  
156 <223> OTHER INFORMATION: n is a, t, c or g

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/816,653A

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TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt  
Output Set: N:\CRF3\02082002\I816653A.raw

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168 <223> OTHER INFORMATION: n is a, t, c, or g  
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174 <223> OTHER INFORMATION: n is a, t, c, or g  
177 <220> FEATURE:  
178 <221> NAME/KEY: misc\_feature  
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180 <223> OTHER INFORMATION: n is a, t, c or g  
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184 <221> NAME/KEY: misc\_feature  
185 <222> LOCATION: (905)..(905)  
186 <223> OTHER INFORMATION: n is a, t, c or g  
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190 <221> NAME/KEY: misc\_feature  
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192 <223> OTHER INFORMATION: n is a, t, c or g  
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198 <223> OTHER INFORMATION: n is a, t, c or g  
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202 <221> NAME/KEY: misc\_feature  
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204 <223> OTHER INFORMATION: n is a, t, c or g  
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208 <221> NAME/KEY: misc\_feature  
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210 <223> OTHER INFORMATION: n is a, t, c or g  
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214 <221> NAME/KEY: misc\_feature  
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216 <223> OTHER INFORMATION: n is a, t, c or g  
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220 <221> NAME/KEY: misc\_feature  
221 <222> LOCATION: (1204)..(1204)  
222 <223> OTHER INFORMATION: n is a, t, c or g  
225 <220> FEATURE:  
226 <221> NAME/KEY: misc\_feature  
227 <222> LOCATION: (1295)..(1295)  
228 <223> OTHER INFORMATION: n is a, t, c or g  
231 <400> SEQUENCE: 3

## RAW SEQUENCE LISTING

DATE: 02/08/2002

PATENT APPLICATION: US/09/816,653A

TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

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232 tgctacatct cagccttggt cttgtcctgc ttactcacct tcctggteet gatgcgctca 60
234 ctggtgacac acaggettgg ttctgggggc agcggggatg gccagttttc atggaacctg 120
236 ttttctgtcc cctgccact ccgcacctg gcagggtcc tgggtgcagca gatcatcttc 180
238 ttctctggaa ccaaggccct ggcttcctg gtgtcatgc ctgtgtcca tggcaggaa 240
240 ctctgtttct tccgttccct ggagtcctg tggcccttct ggctgacttt ggccctggct 300
242 gtgatcctgc agaactggc agccattgg gtcttcttg agactcatga tggacacca 360
244 cagctgacca accggcgagt gctctatgca gccaccttct ttctcttccc cctcaatgtg 420
246 ctggtgggtg ccatggnnnn nnctgtctcc cccagcattg ccatccgcca ccccaccca 480
248 ggctactaca cgtaccgaaa cttcttgaag attgaagtea gccagtcgca tccagccatg 540
250 acagccttct gctccctgtc cctgcaagcg cagagcctcc taccaggac catggcagcc 600
252 cccaggaca gctcagacc aggggaggaa gacgaaggat gcagctgcta cagacaaagg 660
254 actccatggc caagggagct aggccggggg ccanccggcg cagggctcgc tggggtctgg 720
256 cctacacgct gctgcacaac ccaacctgca aggtcttccg caagacggcc ctgttgggtg 780
258 ccaatggtgc ccagccctgc tcctccctcc ccggctctcc tcccagcatc acaccagcca 840
260 tgcagccagc aggctctccg gatcacngtg gttnggtgga ggtctgtctg cactgggagc 900
262 ctcangangg ctctgtctca cccacttggc tatgggagag ccagcagggg ttctggagaa 960
264 aaaaactggt ggggttagggc cttggtccag gagccagttg agccaggga gccacatcca 1020
266 ggctctccc taccctggct ctgccatcag ccttgaaggg cctcgatgaa gccttctctg 1080
268 gaaccactcc agccagctc cactcagcc ttggccttca cgctgtggaa gcagccaaagg 1140
270 cacttctca cccntcagc gccacggacc tntntgggga gtggccggaa agctcccnng 1200
272 cctntggcct gcagggcagc ccaagtcatg actcagacca ggteccacac tgagctgccc 1260
274 acactcgaga gccagatatt tttgtagttt ttatnccctt ggctattatg aaagaggtta 1320
276 gtgtgttccc tgcaataaac ttgttctga g 1351
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280 <211> LENGTH: 325
281 <212> TYPE: PRT
282 <213> ORGANISM: Homo sapiens hSTRA6 polypeptide fragment, carboxy terminus
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285 <221> NAME/KEY: MISC_FEATURE
286 <222> LOCATION: (146)..(148)
287 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unknwn
290 <220> FEATURE:
291 <221> NAME/KEY: MISC_FEATURE
292 <222> LOCATION: (232)..(232)
293 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unknwn
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297 <221> NAME/KEY: MISC_FEATURE
298 <222> LOCATION: (290)..(290)
299 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unknwn
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303 <221> NAME/KEY: MISC_FEATURE
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305 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unknwn
308 <220> FEATURE:
309 <221> NAME/KEY: MISC_FEATURE
310 <222> LOCATION: (302)..(302)
311 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unknwn
314 <220> FEATURE:
315 <221> NAME/KEY: MISC_FEATURE

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## RAW SEQUENCE LISTING

DATE: 02/08/2002

PATENT APPLICATION: US/09/816,653A

TIME: 07:35:25

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

316 <222> LOCATION: (303)..(303)  
 317 <223> OTHER INFORMATION: Xaa represents any amino acid, other, or unknown  
 320 <400> SEQUENCE: 4  
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 323 1 5 10 15  
 326 Leu Met Arg Ser Leu Val Thr His Arg Leu Gly Ser Gly Gly Ser Gly  
 327 20 25 30  
 330 Asp Gly Gln Phe Ser Trp Asn Leu Phe Ser Val Pro Leu Pro Leu Pro  
 331 35 40 45  
 334 Pro Leu Ala Gly Leu Leu Val Gln Gln Ile Ile Phe Phe Leu Gly Thr  
 335 50 55 60  
 338 Thr Ala Leu Ala Phe Leu Val Leu Met Pro Val Leu His Gly Arg Asn  
 339 65 70 75 80  
 342 Leu Leu Phe Phe Arg Ser Leu Glu Ser Ser Trp Pro Phe Trp Leu Thr  
 343 85 90 95  
 346 Leu Ala Leu Ala Val Ile Leu Gln Asn Met Ala Ala His Trp Val Phe  
 347 100 105 110  
 350 Leu Glu Thr His Asp Gly His Pro Gln Leu Thr Asn Arg Arg Val Leu  
 351 115 120 125  
 354 Tyr Ala Ala Thr Phe Leu Leu Phe Pro Leu Asn Val Leu Val Gly Ala  
 355 130 135 140  
 358 Met Xaa Xaa Xaa Cys Ser Pro Ser Ile Ala Ile Arg His Pro Thr Pro  
 359 145 150 155 160  
 362 Gly Tyr Tyr Thr Tyr Arg Asn Phe Leu Lys Ile Glu Val Ser Gln Ser  
 363 165 170 175  
 366 His Pro Ala Met Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser  
 367 180 185 190  
 370 Leu Leu Pro Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly  
 371 195 200 205  
 374 Glu Glu Asp Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala  
 375 210 215 220  
 378 Lys Gly Ala Arg Pro Gly Ala Xaa Arg Gly Arg Ala Arg Trp Gly Leu  
 379 225 230 235 240  
 382 Ala Tyr Thr Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr  
 383 245 250 255  
 386 Ala Leu Leu Gly Ala Asn Gly Ala Gln Pro Cys Ser Ser Leu Pro Gly  
 387 260 265 270  
 390 Ser Pro Pro Ser Ile Thr Pro Ala Met Gln Pro Ala Gly Pro Pro Asp  
 391 275 280 285  
 394 His Xaa Gly Xaa Val Glu Val Cys Leu His Trp Glu Pro Xaa Xaa Gly  
 395 290 295 300  
 398 Ser Ala Pro Pro Thr Trp Leu Trp Glu Ser Gln Gln Gly Phe Trp Arg  
 399 305 310 315 320  
 402 Lys Lys Leu Val Gly  
 403 325  
 406 <210> SEQ ID NO: 5  
 407 <211> LENGTH: 6964  
 408 <212> TYPE: DNA  
 409 <213> ORGANISM: Homo sapiens clone RP11-60L3, Sequencing in Progress, 9 unordered  
 pieces; GenBank AC023300, nts 150524 to 157487

Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 02/08/2002

PATENT APPLICATION: US/09/816,653A

TIME: 07:35:26

Input Set : A:\09-816,653 corrected seq. list. 10716.57.txt

Output Set: N:\CRF3\02082002\I816653A.raw

L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5